

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 06269-013002	Application No.
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Gopal Harikumar et al.		
		Filing Date June 27, 2003	Group Art Unit	

<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
DV	AA	5,521,908	5/28/96	Younce et al.			
DV	AB	6,035,000	3/2000	Bingham			
DV	AC	5,521,908	05/1996	Younce et al.			
DV	AD	5,285,474	02/1994	Chow et al.			
DV	AE	6,097,763	08/2000	Djokovic et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes      No
DV	AF	WO 93/26096	12/23/93	PCT			
DV	AG	0 768 778 A1	4/16/97	Europe			

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
DV	AH	Melsa et al., "Optimal Impulse Response Shortening, Proceedings of the Thirty-third Annual Allerton Conference on Communication, Control and Computing, pp. 431-439.
DV	AI	Chow et al., "A Cost-Effective Maximum Likelihood Receiver for Multicarrier Systems," Proceedings of the Int'l Conference on Communication, 1992, pp. 333.7.1 – 333.7.5.
DV	AJ	Worthen et al., "Simulation of VDSL Test Loops, Technical Report T1E1.4/97-288, ANSI, 1997.
DV	AK	Harikumar et al., "Shortening the channel impulse response of VDSL loops for multicarrier applications," Technical Report T1E1.4/97-289, ANSI 1997.
DV	AL	Harikumar et al., "Minimizing noise bleeding in DMT systems with a TEQ," Technical Report T1E1.4/98-181, ANSI 1998.
DV	AM	Chow et al., "A Discrete Multitone Transceiver System for HDSL Applications, IEEE Journal on Selected Areas in Communications, Vol. 9, No. 6, August 1991, pp. 895-908.
DV	AN	VDSL Alliance SDMT VDSL Draft Standard Proposal, Technical Report T1E1.4/98-172, ANSI 1998.
DV	AO	DMT Group VDSL PMD Draft Standard Proposal, Technical Report T1E1.4/96-32R2, ANSI 1997.
DV	AP	Very-high-speed Digital Subscriber Lines, Draft Technical Report-Revision 9, T1E1.4/97-131, ANSI 1997.
DV	AQ	Cimini, Jr., "Analysis and Simulation of a Digital Mobile Channel Using Orthogonal Frequency Division Multiplexing, IEEE Transactions on Communications, Vol. COM-33, No. 7, July 1985, pp. 665-675.
DV	AR	Peter J. W. Melsa et al., <i>Impulse Response Shortening for Discrete Multitone Transceivers</i> , December 1995, Vol. 44, No. 12, IEEE Transactions on Communications

Examiner Signature  /Don Vo/	Date Considered  08/22/2006
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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DV	AS	Naofal Al-Dahir, <i>Joint Channel and Echo Impulse Response Shortening on Digital Subscriber Lines</i> , October 1996, Vol. 3, No. 10, IEEE Signal Processing Letters
DV	AT	D. D. Falconer et al., <i>Adaptive Channel Memory Truncation for Maximum Likelihood Sequence Estimation</i> , November 1973, Vol. 52, No. 9, The Bell System Technical Journal
DV	AU	International Preliminary Examination Report, August 13, 1999

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